YUDIN, V. M., POLYAKOV, V. D., and SMOLENSKIY, G. A.,

"Investigation of New Magnetically Ordered Systems."

report presented at the Symposium on Ferroelectricity and Ferromagnetism, Leningrad, 30 May-5 June 1963.

ACCESSION NR: AP4023390

\$/0048/64/028/003/0451/0453

AUTHOR: Yudin, V.M.

TITLE: Weak ferromagnetism of BiFeO3 /Report, Symposium on Ferromagnetism and Ferroelectricity held in Loningrad 30 May to 5 June 1983/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.28, no.3, 1964, 451-453

TOPIC TAGS: complex ferrite, bismuth ferrite ferromagnetism, weakly ferromagnetic antiferromagnetic material, BiFeO3

ABSTRACT: The magnetic properties of the solid solution 0.9BiFeO3-0.1Pb(Fe1/2Nb1/2) O3 were investigated with a magnetic balance, employing the Faraday method. The investigation was undertaken because BiFeO3 is known to have the perovskite structure with one ferric ion in the unit cell and shows the sharp maximum in the magnetic susceptibility at the Neel point characteristic of antiferromagnetic materialising weak ferromagnetic properties, and yet it has not been possible to observe spontaneous magnetization. Neutron scattering investigations have shown that BireO2 has the type G magnetic structure and has a superstructure due to displaced oxygen. Pb(Fe1/2Nb1/2)O3 is antiferromagnetic and has a single perovskite type unit cell,

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ACCESSION NR: AP4023390

rhombohedral below the ferroelectric Curie point (120°C) and cubic above it. The. material was produced by solid state reaction of chemically pure Nb205 and reagent grade pure Bi2O3, Fe2O3 and PbO. The polycrystalline samples were annealed at S50°C for three hours, and an x-ray study showed them to be true solid solutions. Magnetic susceptibility measurements showed antiferromagnetic ordering to occur at 910°K Near this temperature, spontaneous magnetization occurred, but none could be observed at significantly lower temperatures. After the samples had been cooled from above the Neel point to liquid nitrogen temperatures in an 8 kOe magnetic field, however, a spontaneous magnetization of about 0.03 gauss cm3/g was observable at low temperatures. The magnetic orientation produced by this treatment was stable in time and could be destroyed by heating above the Neel temperature and cooling in the absence of a field. The spontaneous magnetization observed cannot be ascribed to ferrimagnetism due to the Fe and Nb ion, for the Nb concentration is too small and there is no Fe-Nb ordering in pure Pb(Fe1/2Nb1/2)03. It is concluded, therefore, that BiFeO3 is woakly ferromagnetic. It is suggested that the effect of the addition of a small quantity of Pb(Fe1/2Nb1/2)O3 is to reduce the magnetic rigidity of the BiFeO3 and thus make it possible to observe the spontaneous magnetization. "The author expresses his gratitude to Professor G.A. Smolenskiy for his interest in the work and discussion of the results, to Ye.S.Sher for preparing the samples, and

Card 2/3

ACCESSION NR: AP4023390

to A.G. Tutov for x-ray studies." Orig.art.has: 1 formula and 2 figures.

ASSOCIATION: none

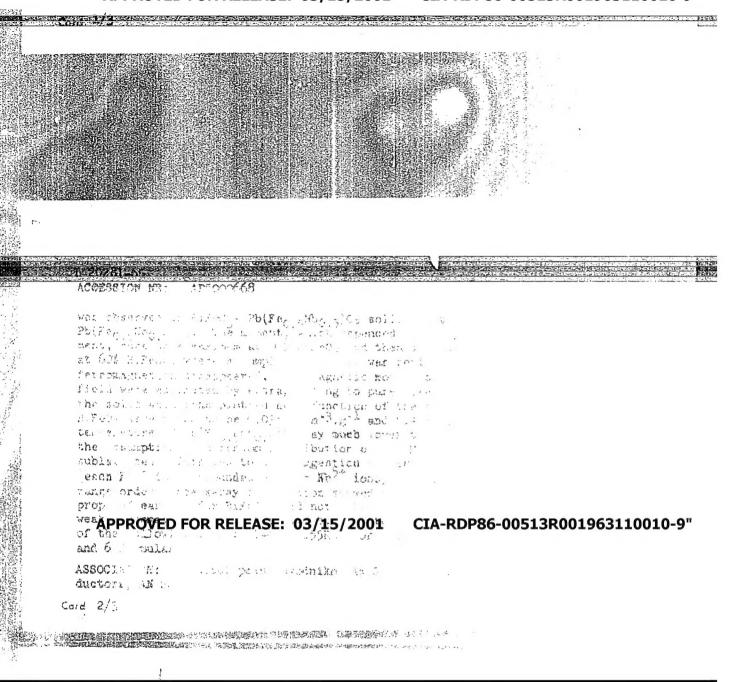
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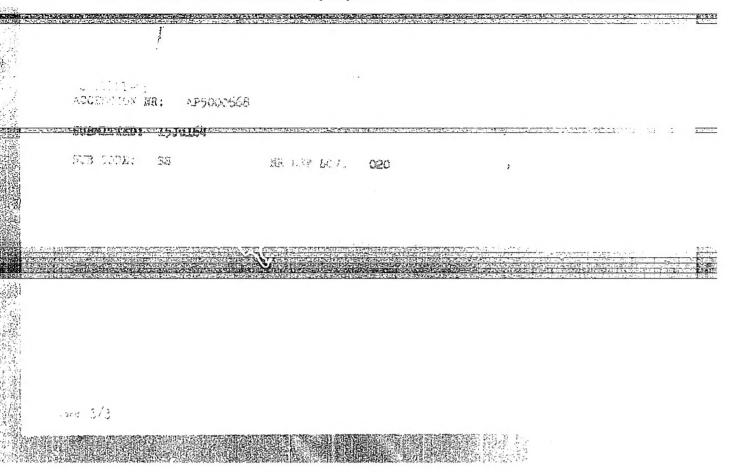
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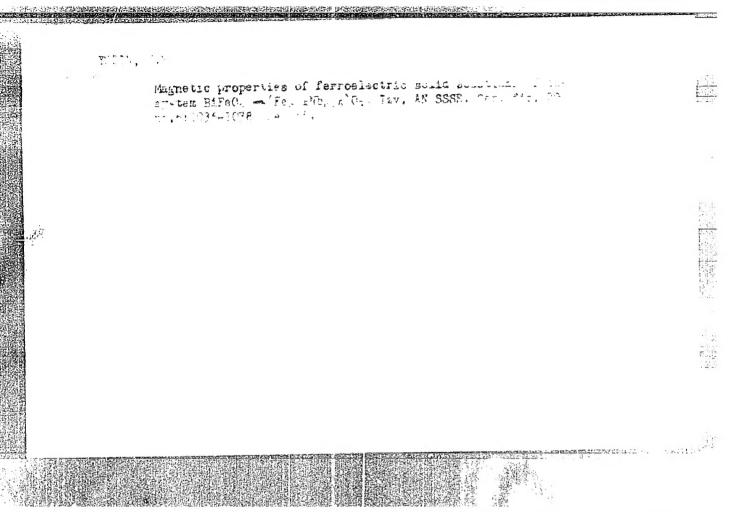
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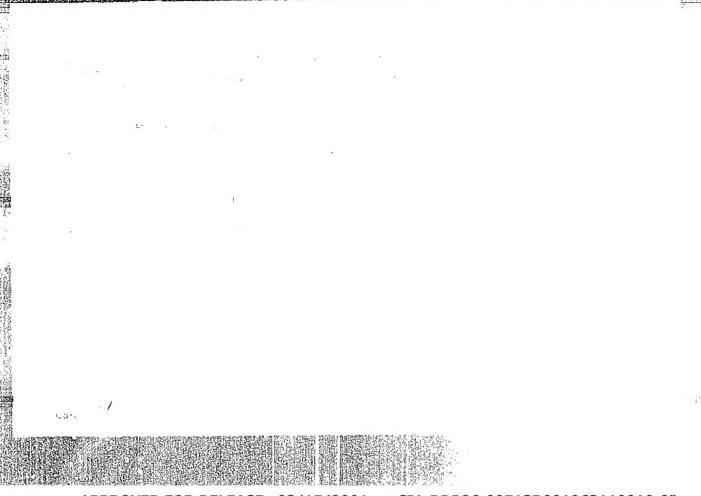
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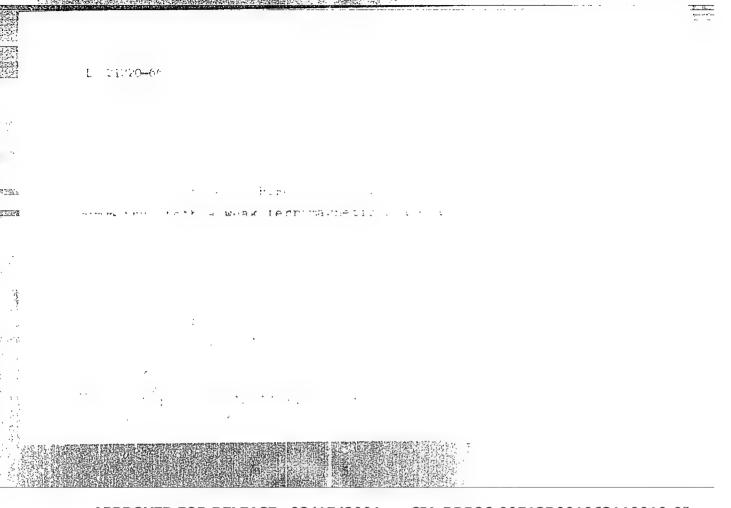


Solving the heat-conductivity problem for a semifinite body at a variable heat-transfer ratio. Inzh.- fiz. zhur. 7 no.12t 90-94. D '64 (MIRA 18:2) 1. TSentral nyy aero-gidrodinamicheskiy institut, Moskve.









SOURCE CODE: UR/0125/66/000/009/0054/01 ACC NRI AP6032555

AUTHOR: Krivosheya, V. Ye.; Yudin, V. M.

ORG: Ural Chemical Machinery Plant (Uralkhimmashzavod).

TITIE: New guns for manual argon shielded arc welding of titanium articles

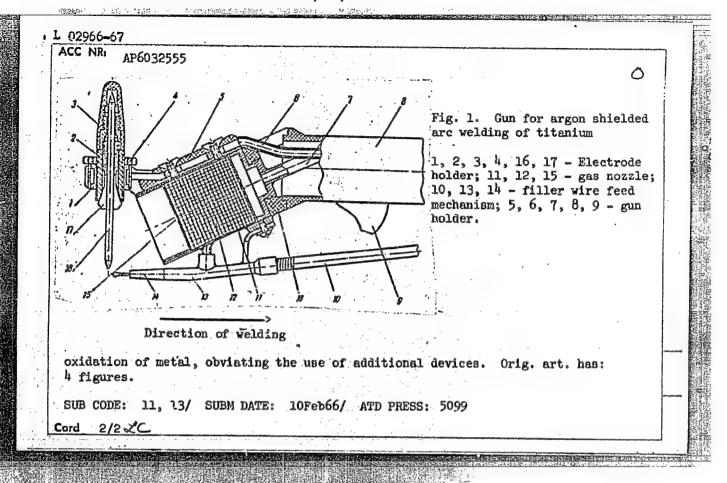
SOURCE: Avtomaticheskaya svarka, no. 9, 1966, 54-56

TOPIC TAGS: titanium, welding technology, welding equipment, welding gun, argunthichled arc welding

ABSTRACT: Two guns for manual argon shielded arc welding of titanium have been developed. The salient feature of both guns is the gas-nozzle diameter (30-50 mm) which produces a wide laminar low-velocity gas stream extending up to 120 mm from the tip of the nozzle. Welding is performed with the argon flow directed against the direction of welding. The stream of argon spreads over the welded joint and adjacent hot zone, protecting them from oxidation. One gun (see Fig. 1) is equipped with automatic feed of the filler wire. It differs from standard guns in that the electrode (16) and gas nozzle (15) are separated: with the electrode in the vertical position, the gas enters the welding zone at an angle of 25-30°. Filler wire is fed automatically through the nozzle (14). The new welding guns simplify the process of welding titanium alloys and give adequate protection against

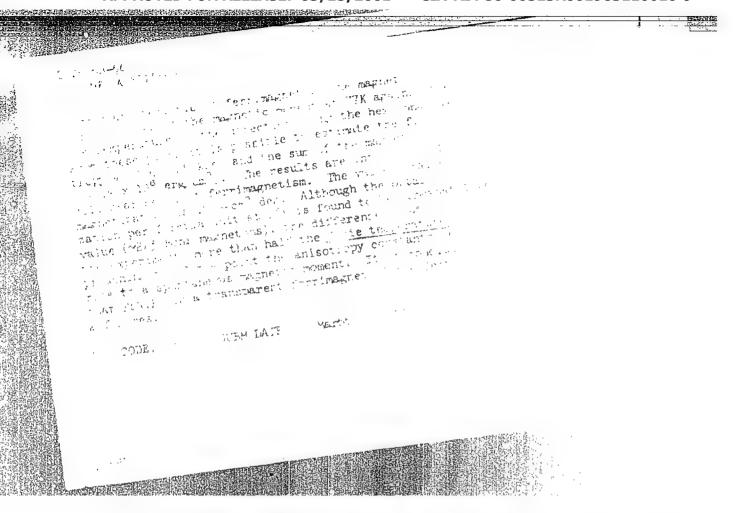
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621.791.856.03:669.295 UDC:



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SCHEEN SE I AUTHOR: Smolenskiy, G. A.: Yudin. V. M . Symilan F. P. design that the second of the The Visiopaletit nextronal forrimagnet This p ATER THE PROPERTY OF A STREET STREET, THE Transfer of the second second COID LANGE BOOK FOR A MEMORITHM, CLOTHER OF MEMBERS OF A whise's pyr more among sund. The Swiller the street of the cirette teen sufficient to paramatic continue sufficient to proper sufficient the respect of the respect transition temperature. The Site (010016) have position react. Fer exec. They are transpared teresting teature that in the temperature interval in . polor continuously from bright green to pink. (2000) exceeds 1211 threes, and the dielectric constant suffect crysta. . . . x 5 x 5 mm; without cleavage case. The Sependance of the paramagnetic susception. 1/5 4 4



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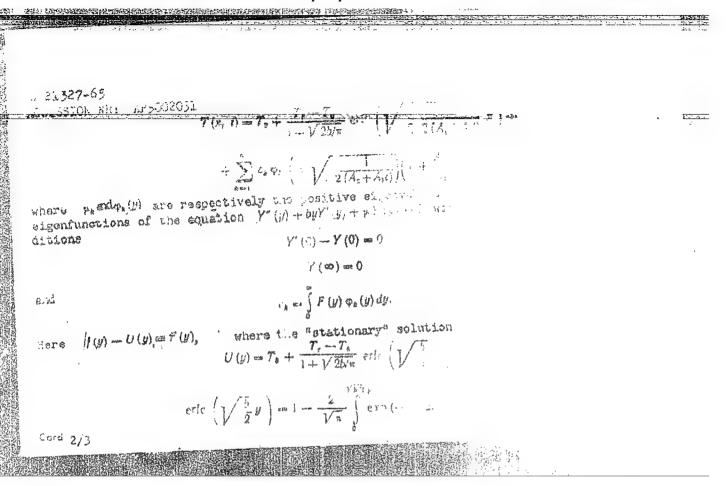
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SVISHCHEV, B.S.; YUDIN, V.M.; BAZIV, V.F.; IKHSANOV, B.G.

Investigating operations in nonuniform beds of the Romanhkino oil field. Heft.khoz. 43 no.4:40-46 Ap 165.

(MIRA 18:4)

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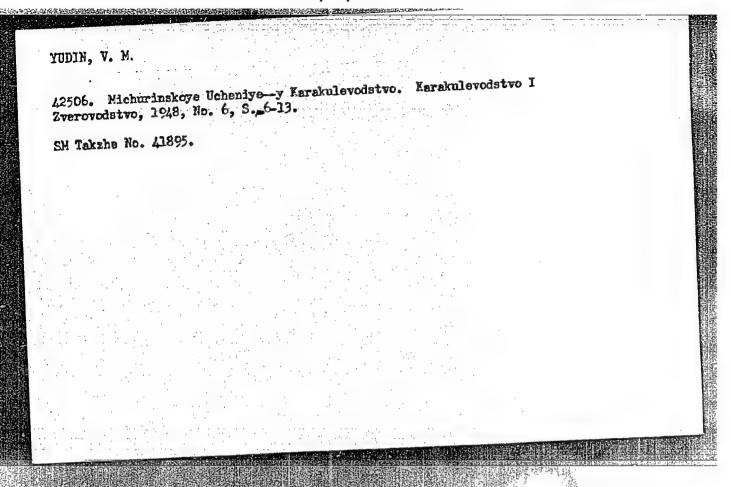
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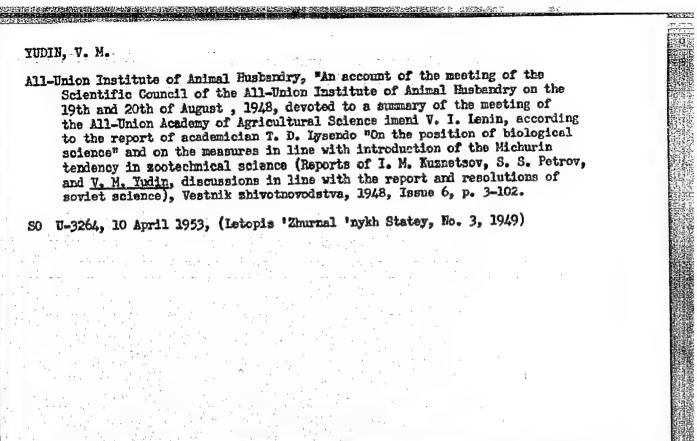
$$y = \frac{a}{\lambda} \left(x - \int_{0}^{t} V(\tau) d\tau \right),$$

the solution can be obtained for the case when the heat transfer with the velocity V proportional to the heat transfer coefficient at equations.

ASSOCIATION: Teentral'nywy aero-glárolinamicheskiy institut Central Aerohydrodynemice Institute)

885 - ZA





Yudin, V. M. "Michurinist studies as a theoretical basis for the breeding of agricultural animals", (A short stenographic report to the conference of the All-Union agricultural animals", (A short stenographic report to the conference of the All-Union agricultural animals", (A short stenographic report to the conference of the All-Union agricultural animals", (A short stenographic report to the conference of the All-Union Scientific-Research Institute for Animal Husbandry), Sov. zootekhniya, 1949, No. 1, p.37-42.

So: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

YUDIN, V. M. (Co-author)

See: KOTOV, M. I.

Yudin, V. M. and Kotov, H. I. "The effect of feed factors on the quality of the young of karkul sheep," Karakulevodstvo i zverovodstvo, 1949, No. 2, p. 9-18.

SOz U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949)'

YUDIN, V. M.

2h877. YUDIN, V. M. Neissyakayemyy Istochnik Nauchnogo Progressa (K 1h-y Godovsheninye So Dnya Smerti I. V. Michurina). Sots. Zhivotnovodstvo, 19h9, No 3, S. 9-12.

G. Biofizika. Biokhimiya

SO: Letopis' No. 33, 19h9

YUDIN, V. H.

Agriculture

Michurin methods of creating new varieties of farm animals; 2., perer. izd. Moskva, (Pravda) 1950. (Kolkhoznaia seriia).)

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED

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Moscow, 1951.			
	raising Karakul	lambs based	on heredity, prenatal develop- published by Board of Foreign
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YUDIN, V. M.

Agriculture

Album on the judging of Karakul sheep, Moskva, Vnestorgizdat, 1952.

Monthly List of Russian Accessions, Library of Congress October 1952 UNCLASSIFIED

- 1. YUDIN, V. II.
- 2. USSR (600)
- 4. Sheep Breeding
- 7. Basic principles of breeding work in sheep raising. Trudy VIZh 20 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

YUDIN, V. M.

Karakul Sheep

"Handbook for selection of karakul lambs."
Reviewed by I. Ya. Aver' Yanov. Kar. i zver. 5
No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952, UNCLASSIFIED

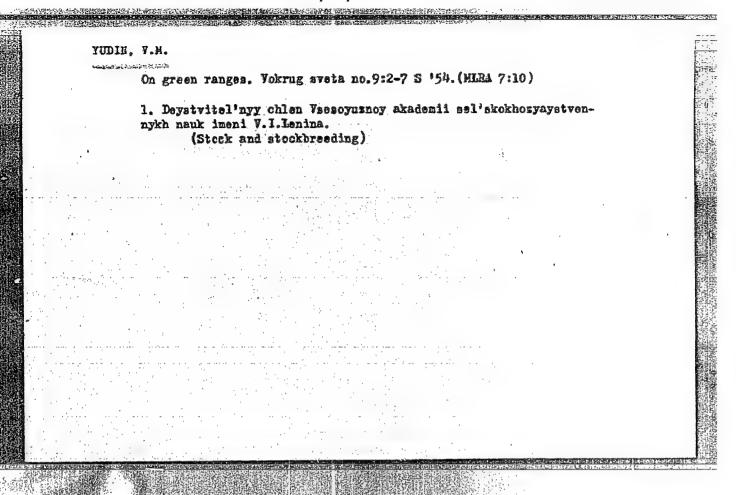
- a. YUDIK; V. N., SEIGIS, C. I.
- 2. USSR 600
- 4. Stock and Stockbroeding; Karahal Shoop
- Variation in heredity and vitality of Perelul chaop depending on 186 of parents. Sov. Zootekh. 7 no. 4, 1952.
 Abad.
- 9a Honthly List of Bussian Accessions, Library of Controls, June 1952. Unclassified.

YUDIN, V. M. (Acad.)

Stock and Stockbreeding

Principles and methods for improving breeds of farm animals. Sov. zootekh. 8 nc. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.



Name: YUDIN. Vadim Mikhaylovich

Dissertation: Methods of Breeding of Black Astrakhan

Sheep

Degree: Doc Agr Sci

Affiliation: /not indicated7

Defense Date, Place: 7 Mar 56, Council of the All-Union Sci Res Inst of Animal Husbandry

Certification Date: 28 Apr 56

> Source: BMVO 4/57

USSR / Farm Animals. Small Horned Stock.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54782.

Author: Yudin, V. M., Brigis, O. I.
Inst: Not given.
Title: Methodical and Organizational Problems in

Karakul Breeding.

Orig Pub: Karakulevodstvo, 1957, No 6, 3-12.

Abstract: No abstract.

Card 1/1

LYSENKO, T.D.; PAPANIN, I.D.; POZDNYAKOV, Ye.V.; VARUNTSYAN, I.S.; PRZZENT, I.I.; LKPIKHIN, A.V.; GHIBANOV, R.N.; YUDIN, V.K.; GERCHIKOV, N.P.; KORYAZHNOV, V.P.; VSYAKIKH, A.S.; IL'INA, Ye.D.

In memory of Petr Aleksandrovich Manteifel'. Agrobiologiia no. 3:453-454 Hy-Je '60. (MIRA 13:12) (Manteifel', Petr Aleksandrovich, 1882-1960)

YUDIN, V.M., akademik (Moskva); BRIGIS, O.I., kand.sel'skokhozyaystvennykh nauk (Moskva)

Breeding work in karakul sheep raising. Agrobiologiia no. 3:410-425 My-Je 161. (MIRA 14:5)

l. Vsesoyuznaya akademiya sel'skokhozyayatvennykh nauk imeni Lenina (for Yudin). (Karakul sheep breeding)

LEVITSKIY, B.M.; RUSAKOV, A.A.; YUDIN, V.M.; YAL'TSEV, V.N.

Equipment for X-ray diffraction microscopy. Met. 1 cetallowed.
chist. met. no.3:277-283 '61. (MIRA 15:6)
(X rays—Equipment and supplies) (Metallography)

•	Paths of the development of breeding work in Karakul sheep raising. Zhivotnovodstvo 23 no.5:62-71 My '61. (MIRA 16:2)	
	l. Vsesoyuznaya akademiya sel [‡] skokhozyayatvennykh nauk imeni Lenina.	
	(Karakul sheep)	

ACC NRI AP6033557

SCURCE CODE: UR/0181/66/008/010/2965/2969

AUTHOR: Smolenskiy, G. A.; Yudin, V. M.; Syrnikov, P. P.; Sherman, A. D.

ORG: Institute of Semiconductors, AN SSSR, Leningrad (Institut pol.

TITLE: The transparent hexagonal ferrimagnet RbNiF3

SOURCE: Fizika tverdogo tela, v. 8, no. 10, 1966, 2965-2969

TOPIC TAGS: rubidium compound, magnetic property, magnetic susceptibility, magnetic anisotropy, Curie point, magnetic structure

ABSTRACT: The purpose of the investigation was to study the magnetic reversingle-crystal RbNiF3, both above and below the magnetic-transition temperative of the fact that they were hitherto investigated only in the particle of in single-crystal form. Transparent RbNiF3 crystals with low sight be of interest for modulation of light beams in microwave devices. The single crystals were obtained by exchange decomposition at magnetic properties were investigated with a magnetic balance by in fields from 2 - 1- kDe. The apparatus was described earlier and was modified to accommodate anisotropic crystals. The reciprocal apparatus were determined as a function of the temperature and the magnetic ponents were determined as functions of the field intensity at different temperature confirm that RbNiF3 is a ferrimagnet or the ferroxplan type with

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Card 2/2

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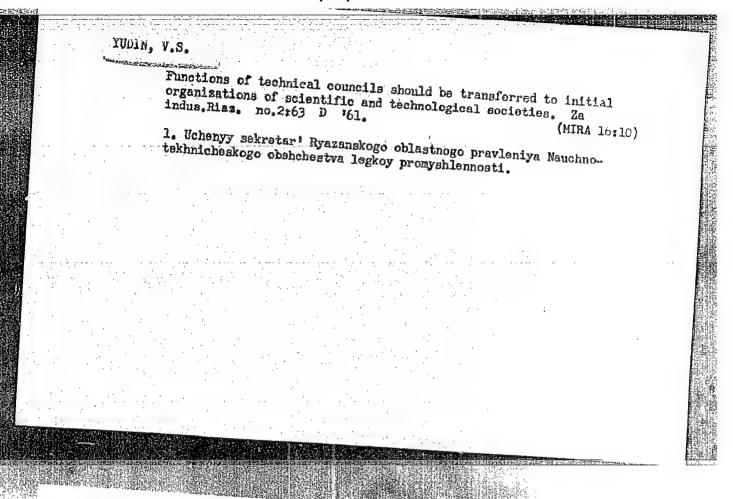
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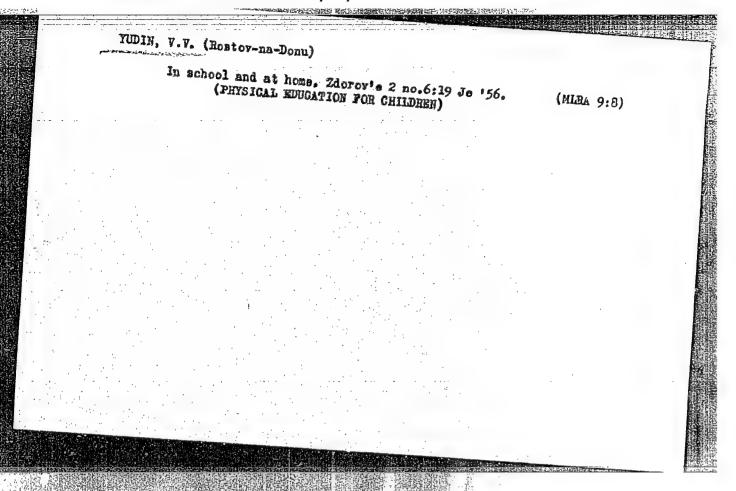
SMOLENSKIY, G.A.; YUDIN, V.M.

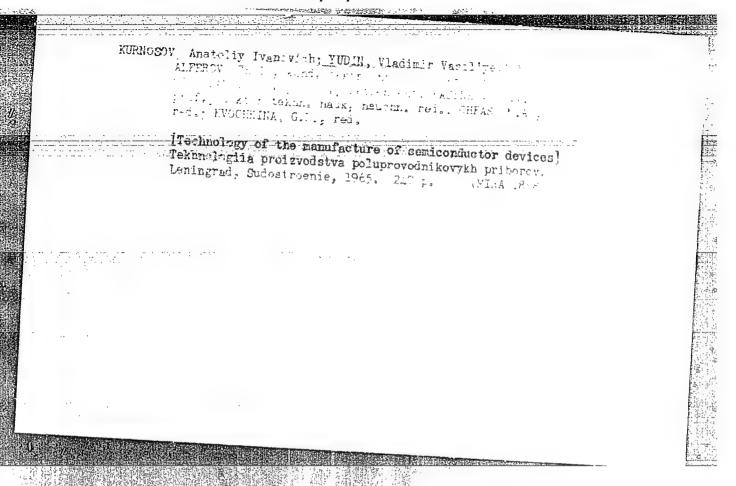
Weak ferromagnetism of some perovskites BiFeO₃-Fo(Fe_{O.5})ib_{O.5})O₃.

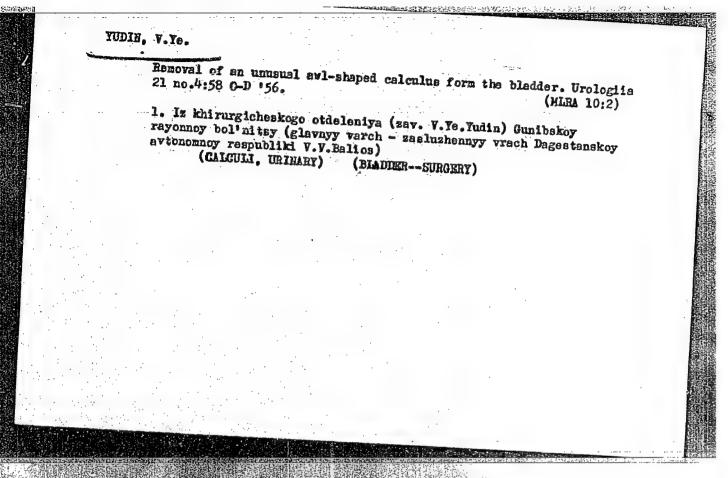
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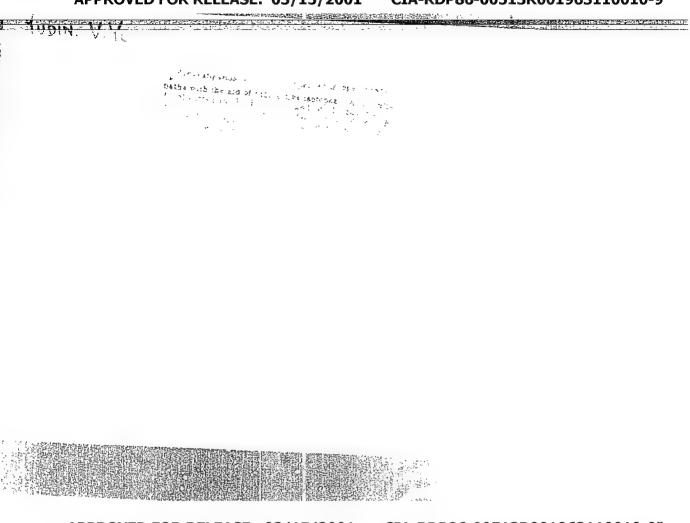
1. Institut poluprovodnikov AN SSSR, Leningrad.

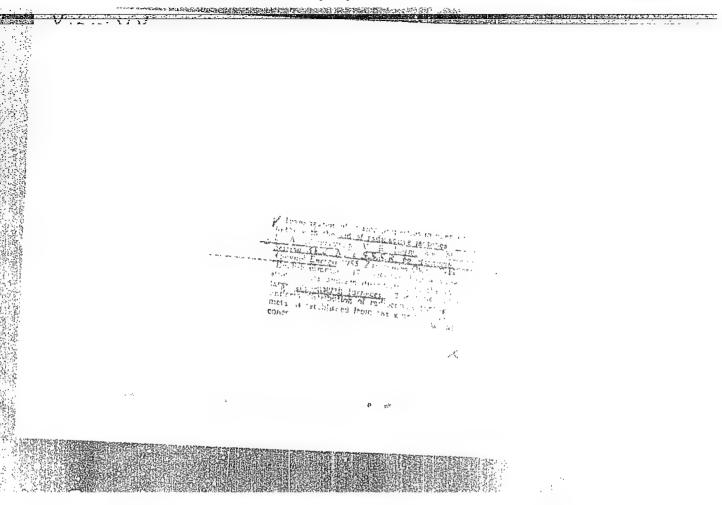




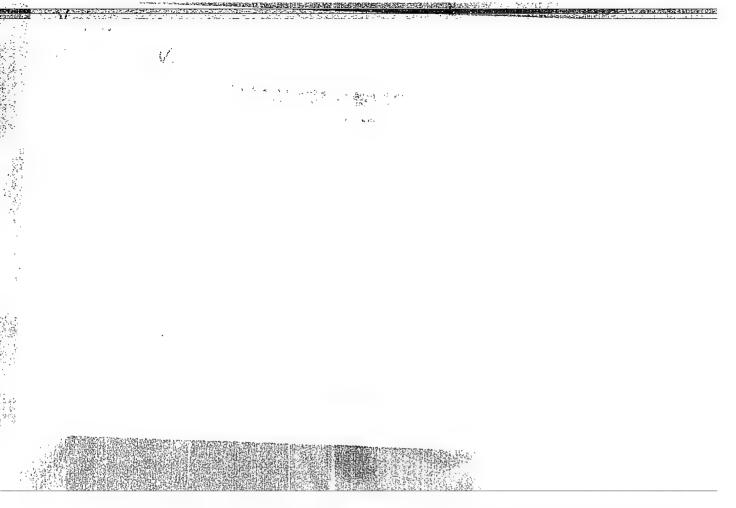








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YUDIN, V.Te.; SAZONOV, N.L.; OSIPOV, A.I.

Apparatus for measuring the radioactivity of metal samples.
Znv.lab.21 no.11:1384-1385 '55. (MHRA 9:2)

1.Institut metallovedeniya i fisiki metallov Tsentral'nogo nauchno-issledovatel'akogo instituta tekhnologii chernoy metallurgii.
(Hadioactivity—Heasurement)

Julia.

137-58-1-2109

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 286 (USSR)

AUTHORS: Osipov, A.I., Kozhevnikov, I. Yu., Judin, V. Ye., Sazanov, M. L., Bul'skiy, M. T., Alimov, A. G., Skrebtsov, A. M., Rebenko, A. P.

A New Method for Speedy Analysis of Slag for Phosphorus by Means of Radioactive Tracers (Novyy metod ekspress-analiza shlaka na fosfor s primeneniyem radioaktivnykh indikatorov)

PERIODICAL: V sb.: Fiz. -khim. osnovy proiz-va stali. Moscow, AN SSSR, 1957, pp 82-93. Diskus. pp 160-187

ABSTRACT: A method has been developed for speedy analysis of slag for P2O5 by means of radioactive P (I). The analysis requires 5-7 min. The method is accurate to within 5-6 percent (rel.). The consumption of material is 0.04-0.05 millicurie per t of metal. To determine P₂O₅, I is introduced into the heat in a mixture with powdered Fe. The mixture is placed in a Cu ampoule and the I with the Fe form ferrophosphorus during the period of heating and fusion. This then undergoes uniform dissemination throughout the volume of the heat. Determination of P2O5 by Card 1/2 radiometry requires one tagged sample in which the P2O5 is

137-58-1-2109

A New Method for Speedy Analysis of Slag for Phosphorus (cont.)

determined chemically. A graph showing determination of P₂O₅ by radiometry as compared with the data of chemical analysis is presented. The employment of radiometric analysis of slag for P₂O₅ makes it possible to take and analyze a large number of samples of slag in the course of a heat.

1. Slag analysis -- Processes

K. K.

Card 2/2

DYKHNE, A.M., inchener; OSIPOV, A.I.; SHVARTSMAN, L.A.; YUDIN, V.Ye.

Formula for calculating the time for the equalization of the composition of the bath in open-hearth furnaces. Zav. lab. 23 no.4:506-507 '57.

(MERA 10:6)

1. Kusnetskiy metallurgicheskiy kombinat (for Dykhne).

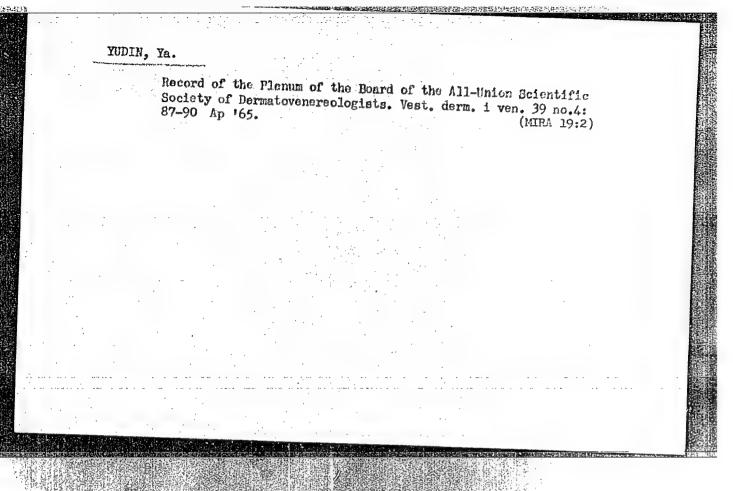
(Open-hearth process)

OSIPOV, A.I., kand.tekhn.nauk; SHVARTSMAN, L.A., doktor khim.nauk;

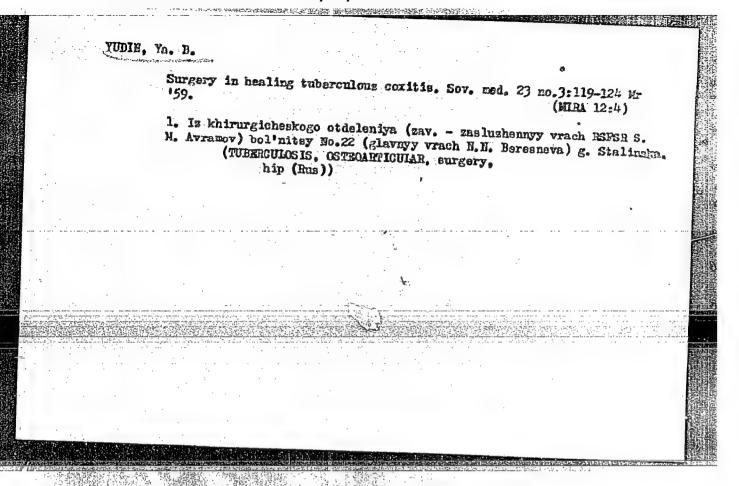
VUDIN, V.Ye.; SAZONIV, M.L.

Uniform distribution of small additions in slag during steel smelting in a 350-ton furnace. Problemetallored.i fiz.net. no.6:318-325 ** 159. (MIRA 12-8)

(Steel--Metallurgy) (Calcium-Isotopes)



Organization of surgical care for osteotuberculous patients in Stalinsk. Zdrav.Ros.Feder. 3 no.6:24-27 Je '59. 1. Iz Kemerovskogo oblzdravetdela 1 kostnotuberkuleznogo otdeleniya (zav. Yn.B. Yndin) Stalinskoy gorodskoy bol'nitsy No.22 (glavnyy vrach N.N.Beresneva). (STALINSK-BONES-TUBERCULOSIS)



•	Surgical therapy in tuberculous spendylino.6:59-65 160.	tis. Probl. tub. 38 (MIRA 13:11)
	1. Iz kostnotuberkuleznogo otdeleniya (z. No.22 Stalinska (glavnyy vrach N.N. Bereditel' - prof. N.I. Krakovskiy. (SPINE—TUBERGULOS)	enova). Nauchnyy rukovo-

YUDIN, Ya.B.

Surgical treatment of tuberculosis of the sacroiliac joint. Ortop.travm.i protez. no.6:20-24 161. (MIRA 14:8)

1. Iz kostnotuberkuleznogo otdeleniya (zav. - Ya.B. Yudin) bol'nitsy No.22 (glavnyy vrach N.N. Beresneva) g. Stalinska. (SPINE TURERCULOSIS)

YUDIN, Ya. B.

AND THE PROPERTY OF THE PROPER

Some characteristics of the surgical treatment of thoracolumber tuberculous spondylitis complicated by draining abscesses. Khirurgiia no.2:112-115 '62. (MIRA 15:2)

1. Iz kostnotuberkuleznogo otdeleniya (zav. Ya. B. Yudin) bol'nitsy No. 22 (glavnyy vrach N. N. Beresneva) Novokuznetska. Nauchnyy rukovoditel' raboty - prof. N. I. Krakovskiy.

(ABSCESS) (SPINE—TUBERCULOSIS)

YUDIN, Ya.B. (Stalinsk, Kensrovskaya obl., ul. Kutuzova, d.7, kv.50)

Surgical treatment of tuberculosis of the thoracic segment of the spine. Vest.khir. 87 no.11:72-76 N '61. (MIRA 15:11)

1. Iz kostno-tuberkuleznogo otdeleniya (zav. - Ya.B. Yudin) bol'nitsy No.22 g. Stalinska.
(SPINE-TUBERGULOSIS)

BOLDIN, K.M. (Yaroslavl'); DROZDOVA, Z.S.; LEVIN, R.I.; VAYSMAN, L.A.

(Kuybyshev-ohl.); PODOSINOVSKIY, V.V.(Kazan'); GAYFULLING, F.C.

(Kazan'); U.Y.IN, E.T. (Kazan'); FAZURLOLIY, T.E.

GEL'FET. J.A., dotsent (Sor'kiy); MANLEN, V.

M.D., dotsent; MEL'NIJHUK, S.P., kand.med(naux; Mailin, STAROVEROV, A.T. (Saratov); SURIN, V.M.; PUROSENKOV, J.D., Romodar, Mordovskoy ASSR); ANLROSOV, M.D. (Moskva); ZARIFOV, Z.A. (Uru-su, Tatarskoy ASSR); MURAV'YEV, M.F. (Izhevsk); KUZ'HIN, V.I. (Batyrevo, Chuvashskoy ASSR); SITDYKOV, E.N. (Kazan'); YHDIN, Ya.B. (Novokuznetsk Short reports. Kaz.med.zhur. no.4:81-91 J1-Ag '62. (MIRA 15:3)

(MEDICINE—AESTRACTS)

TUDIN, Ya,B., kand, med.nauk

Early resections in osteoarticular tuberculosis. Probl.tub.
no.7:51-55 '62. (MRA 15:12)

1. Iz kafedry travmatologii i ortopedii (zav. - prof. L.G.
Shkol'nikov) Novokuznetakogo instituta usovershenstovaniya
vrachey (dir. - dotsent G.L.Starkov) i kostno-taberkuleznogo
klinicheskogo sanstoriya No.5 (glavnyy vrach M.G.bekist
(BOMES-TUBERCULOSIS) (JOINTS-TUBELULAL)

YUDIN, Ya.B., kand.med.nauk (Novokuznetsk, Kemerovskoy oblasti, ul. Kutuzova, d.7, kv.50)

Abstracts of articles received by the editors. Ortop., travm.i protez. 24 no.9:48 S '63. (MIRA 17:4)

1. Iz kafedry travmatologii i ortopedii (zav. - prof. L.G.Shkol'ni-kov) Hovokuznetskogo gosudarstvennogo institut dlya usovershenstvo-vaniya vrachey (rektor - dotsent G.L.Starkov) i kostnotuberkuleznogo klinicheskogo sanatoriya No.5 (glavnyy vrach - M.G.Bekshi).

YUDIN, Ya.B., kand, mad, nauk (Novokuznetsk, Kemarovskoy oblasti, ul. Kutuzova, d.7, kv.50)

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Arthroplasty and intra-articular necrectomy in tuberculosis of the elbow joint. Ortop., travm. i protez. 25 no.9:34-39 S '64. (MIRA 18:4)

1. Iz kafedry travmatologii i ortopedii (zav. - prof. L.G.Shkol'nikov) Novokuznetskogo instituta usovershenstvovaniya vrachey (rektor - dotsent G.L. Starkov) 1 kostno-tuberkuleznogo klinicheskogo sanatoriya (glavnyy vrach - M.G. Bekush).

CIA-RDP86-00513R001963110010-9"

APPROVED FOR RELEASE: 03/15/2001

YIDIN, ra. R., kond. wad. nauk

Rarly intra-articular necrectomy in tuberculous scritie. Probl. tub. 42 no.11:14-18 '64. (MIRA 18:8)

1. Kafedra travmatologii i ortopedii (zav. - prof. L.G.Shkol'nikov) Novokuznetskogo instituta usovershenstvovaniya vrachey i koatnotuberkuleznyy klinicheskiy sanatorii Nr.5 (glavnyy vrach N.G. Bekish).

SHKOL'NIKOV, L.G., prof. (Novokuznetsk, Kemerovskoy obl. prespekt Meta'. lurgev, d. 34, kv.27); NUDIN, Ye.3., Vand. med. nauk

Designation and classification of mobilizing operations in esteration; a tuberculosis. Ortop., travm. 1 protex. 26 no.7:25-31 Jl te.

1. Iz kafedry travmatelegii i ortopedii (mav. = prof. L.G.Shko interi Scokuznetskogo instituta usevershenstvevaniya mashey (ma)

G.I., Starkov).

YUDIN, Ya. L.

"Qualitative Indices of the Work of Dermate-Venereological Institutions," p. 58

Handbook on the Organization of the Control of Venereal and Infectious Skin Diseases, Moscow, Medgiz, 1957 edited by N. M. Turanov and A. A. Studnitsin

AND THE PROPERTY OF THE PROPER

with G. I. Yegorov, "The Organization and Methods of Controlling Pyodermatoses in Industry and Among Agricultural Workers," p. 129, ibid.

TUDIN, YA. M. AND V. M. KAPLAN

Organizatsiia kapital'nogo stroitel'stva na mashinostroitel'nykh zavodakh. Moskva, Mashgiz, 1949. 203 p.

Organization of main construction work in meahine-building plants.

DLC: TH4541.18

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

Yudin, Ya. M.								
	diag	atka koch rs. ructions			. S. Kibri	ka. Moskva,	Gosanergol zda	t, 2949. 236 p.
						DLC:	TJ289.19	
	S0:	Manufact	uring an	nd Mechanic	al Enginee	ring in the	Soviet Union, 1	Abrary of
		Congress	, 1955				: "	·

YUDIN, Ya. M.

Technology.

Mechanic's handbook on steam turbines of low capacity, Moskva, Gosenergoizdat, 1951.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified

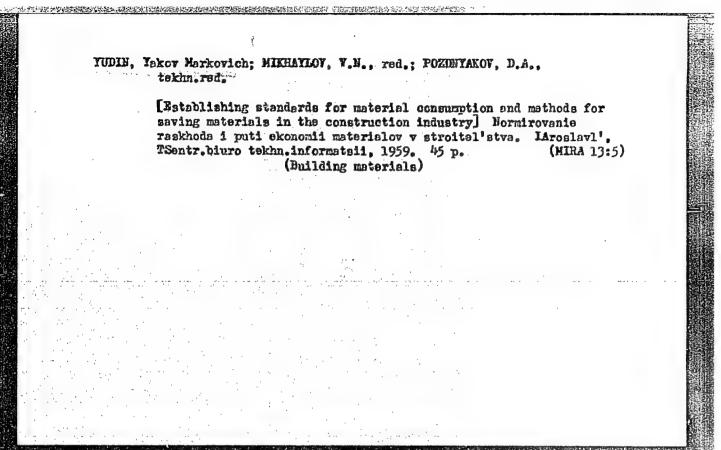
 YUDIK, Ya. M.

KAZINITSKIY, M.I.; YUDIN, Ya.M.; POPOV, A.N. chlen korrespondent kademii arkhitektury SSSR.

[Capital construction in the building materials industry; organization and planning] Kapital noe stroitel stroitel nykh materialov; organizatsiia i planirovanie. Pod red.

A.B. Popova. Izd.2., dop. i perez. Moskva, Gos. izd-vo lit-ry postroit. materialam, 1954. 342 p.

(Building materials industry) (Factories—Design and construction)



ALEKSANDER, I.; BUTOVSKIY, Ya.; YUDIN, Ye.

Discussion on the number of channels and sound quality of stereophonic films. Tehh.kino itelev. 4 no.10:61-67 0'60. (MIRA 13:10)

1. Kinostudiya "Lenfil'm."

(Motion pictures) (Stereophonic sound systems)

	Sov.profsoiuzy	res to fulfill the precongress socilaist obligations 17 no.4:9-11 F '61. (MIRA 14:2)							
	l. Predsedatel' splavov.	zavkoma profsoyuza Moskovskogo kombinata tverdykh							
		(Moscow-Metal industries) (Moscow-Socialist competition)							
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POPOVA, V.N., inzh.; YUDIN, Ye.A., inzh.

Delinting cotton seeds and their physicomechanical properties. Masl. - 2hir. prom. 27 no.8:19-22 Ag '61. (MIRA 14:8)

1. Srednezziatskiy filial Vsesoyuznogo nauchno-issledovatel skogo instituta zhirov (for Popova). 2. Gosudarstvennoye spetsial ney konstruktorskoye byuro po khlopkoochistke (for Yudin).

(Cottonseed) (Linters)

ACC NR: AP7000370 SOURCE CODE: UR/0413/66/000/022/0158/0158 Gol'din, A. I.; Smirnov, A. K.; Yudin, Ye. B. INVENTOR: ORG: none TITLE: Device for compensating a vessel's heel against a gust of wind. Class 65, SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 158 TOPIC TAGS: marine engineering, ship component, ship new gotton, marine engineering, ship component, Aproscope, electrosie circuit, present tronibuer ABSTRACT; An Author Certificate has been issued for a device for compensating a vessel's heel against a gust of wind, consisting of an automatic rudder with control devices and electric power supplies. To achieve partial compensation of heeling moments, decrease the dynamic healing angles during wind gusts, and assure the automatic return of the ship to its course after the gust has passed, it is equipped with a correcting device made in a form of a chamber with air vents leading in and out and containing electrical contacts and vertically movable disks. These close the appropriate contacts, depending on the wind direction, and a rotating transformer with a stator is connected to the contacts, which change current-supply polarity in relation to the position of the movable disks. A rotor is connected to the automatic rudder's electrical circuit. Also, to calculate the vessel's roll-angle speed, it is equipped with a gyroscopic device, the precession axis of which is located in the vessel's frame, with an electric transducer which feeds signals proportional to Cord 1/2 UDC: 629.12.532.5.041:629.12.014.6

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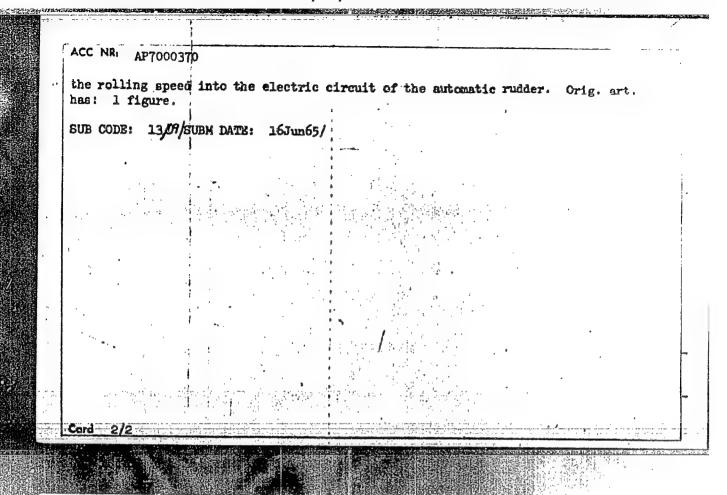
ACC NR AP7000370 BOURCE CODE: UR/0413/66/000/022/0.58/0156 INVENTOR: Gol'din, A. I.; Smirnov, A. K.; Yudin, Ye. B. ORG: none TITLE: Device for compensating a vessel's heel against a gust of wind. Class 65, SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 158 TOPIC TAGS: marine engineering, ship component, ship merigation, navigation ABSTRACT: An Author Certificate has been issued for a device for compensating a vessel's heel against a gust of wind, consisting of an automatic rudder with control devices and electric power supplies. To achieve partial compensation of heeling moments, decrease the dynamic heeling angles during wind gusts, and assure the automatic return of the ship to its course after the gust has passed, it is equipped with a correcting device made in a form of a chamber with air vents leading in and out and containing electrical contacts and vertically movable disks. These close the appropriate contacts, depending on the wind direction, and a rotating transformer with a stator is connected to the contacts, which change current-supply polarity in relation to the position of the movable disks. A rotor is connected to the automatic rudder's electrical circuit. Also, to calculate the vessel's roll-angle speed, it is equipped with a gyroscopic device, the precession axis of which is located in the vessel's frame, with an electric transducer which feeds signals proportional to Cord 1/2 629.12.532.5.041:629.12.014.6

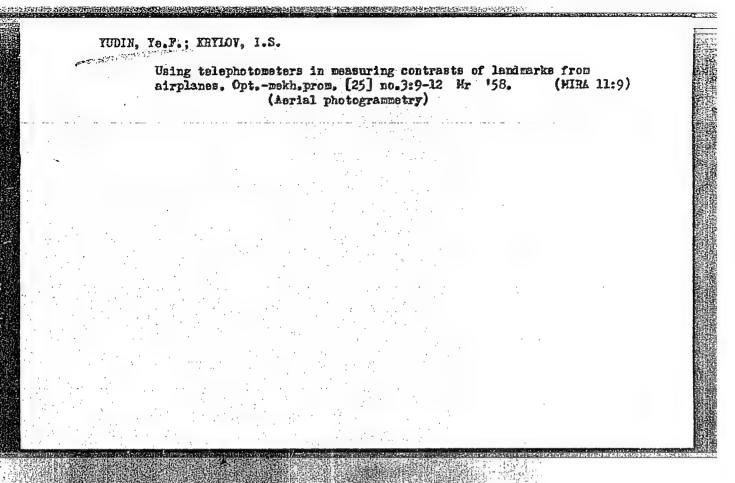
ANDRONNIKOV, K.S.; BALAKOV, V.V.; BUZHINSKIY, A.H.; BURAGO, A.H.; VERTMAN, L.A.; VISHNEVSKIY, A.A.; VOLOSOV, D.S.; GASSCVSKIY, L.H., professor; GERSHUB, A.A., professor; YEL'YASHEVICH, H.A.; YEVSTROP'TEV, K.S.; GUREVICH, M.M., professor; KOLYADIH, A.I.; KCRYAKIH, B.M.; KURITSKIY, A.L.; PAPIYANTS, K.A.; PROKOF'YEV, V.K., professor; PUTSEYKO, Ye.K.; REZUNOV, M.A.; RITYN', H.E., SAVOST'YANOVA, H.V., professor; SEVCHENKO, A.H.; SENNOV, H.I.; STOZHAROV, A.I.; FAYERMAH, G.P., professor; FEOFILOV, P.P.; TSAREVSKIY, Ye.H., professor; CHEKHMATAYEV, D.P.; YUDIN, Ye.F.; KAVRAYSKIY, V.V., professor; VAVILOV, S.I., akademik, redaktor

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[Optics in military science] Optika v voennom dele; sbornik statei. Pod red. S.I. Vavilova i M.V. Savost'ianovoi. Izd. 3-e, zanovo perer. i dop. Hoskva. Vol.2. 1948. 387 p. (HIRA 9:9)

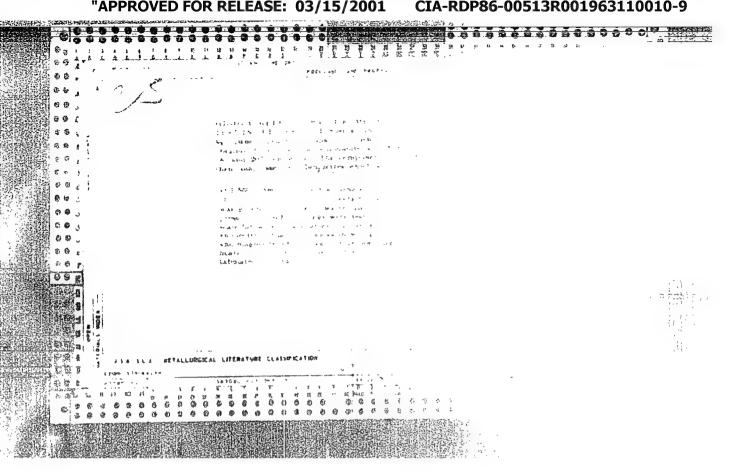
1. Akademiya nauk SSSR. 2. Sostaviteli - sotrudniki Gosudarstvennogo Opticheskogo instituta (for all except Vavilov and Kavrayskiy)
3. Voyenno-morskaya akademiya (for Kavrayskiy)
(Optics)





RUSETSKIY, A.A., kandidat tekhnicheskikh nauk; YUDIN, Ye.B., kandidat tekhnicheskikh nauk.

Calculating the effectiveness of rolling dampers with hard over steering gear. Sudostroenie 23 no.4:8-8 Ap '57. (MLRA 10:5) (Steering gear) (Ships-Hydrodynamic impact)



Hydrodynamic characteristics of relling controlled by side rudders. Sudestreenie 24 no.8-13 0 '58. (MIRA 11:12) (Ships-Hydrodynamic impact) (Stability of ships)

YUDIN, YE. I.

(yezin Ivanovich)

Call Nr: TS 233.182

AUTHOR:

Yudin, Ye. I.

Otlivka detaley v obolochkovyye formy (Precision Casting of Parts)

TITLE:

Gosudarstvennoye izdatel'stvo tekhnicheskoy literatury, Kiyev,

PUB. DATA:

1957, 69 pp., 1,000 copies.

ORIG. AGENCY: None given.

EDITOR:

Editor in Chief of the Publishing House: Afonina, G.; Technical

Editor: Pisarenko, V.; Proofreader: Bobovnikova, L.

PURPOSE:

This pamphlet was written for workers of the machine construction

industry.

COVERAGE:

The author describes precision casting (also called "investment molding), the methods by which the molds and patterns are prepared, casting rejects, the methods by which the metal is forced into the molds, etc., as well as the experiences of the Khar'kovskiy zavod transportnogo mashinostroyeniya (Khar'kov Transportation Equipment Construction Plant) in regard to the production of precision cast parts. The following personalities are mentioned: Kondrat, V.,

Card 1/3

a Rumanian metallurgical engineer; Cibianu, N., a Rumanian

metallurgical engineer, both connected with the Rumanian Transpo ment Plant "Steagul Roshu" ("Red Banner"). In the author's anno method described in this pamphlet is called new. There are 2 red Russian and 1 Rumanian, which appear in the text in the form of	tation the
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Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 39 (USSR)

AUTHORS: Yudin, Ye. I., Vygodskiy, I.A.

New Technical Processes in the Metallurgical Industry (Novyye TITLE:

tekhnologicheskiye protsessy v metallurgicheskom proizvod-

stve)

V sb.: Novyye tekhnol. protsessy. Khar'kov, Oblizdat, PERIODICAL:

1957, pp 5-27

Certain advances in the technical processes of "small-ABSTRACT:

scale metallurgy" at the Khar'kov Transportation Equipment Plant are set forth. O2 is used at this plant to speed the smelting of steel in electric furnaces and to heat liquid iron in cupola receivers and crucibles. The process of developing techniques for the manufacture of cast-iron crankshafts for the TE-3 Diesel locomotive, and the techniques used in casting steel ingots 13.5 t in weight, which are large for this plant. are described. A special section of the article is devoted to precision casting: investment casting, skin dry sand mold

casting, chill casting of non-ferrous metals, and also the man-

ufacture of forgings by drop-forging instead of open-die forg-Card 1/2

CIA-RDP86-00513R001963110010-9" APPROVED FOR RELEASE: 03/15/2001

137-58-4-6589

New Technical Processes in the Metallurgical Industry

ing. Under the heading "Improvement of Present Technological Processes" we find: a description of the introduction of high-speed alloys, gas-pressed head casting, and the introduction of gas carburizing instead of cementation by a solid carburizer, and other questions.

M.P.

1. Metallurgy 2. Metals--Processes--Development

Card 2/2

SOV/137-57-10-19268

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 10, p 118 (USSR)

AUTHORS: Begun, B.Ye., Kvasman, M.G., Yudin, Ye.I,

TITLE: Experiences in the Making of Cast-iron Crankshafts for Main-

line Diesel Locomotives (Opyt izgotovleniya litykh chugunnykh

kolenchatykh valov dlya magistral'nykh teplovozov)

Tekhnologich, transp. mashinostroyeniya, 1957, Nr 2, pp PERIODICAL:

12-18

ABSTRACT: The casting of crankshafts for the 2000-hp D-100 Diesel has been perfected at the Khar'kov Transportation Equipment Plant

> Shafts weighing 1740 and 1490 kg are cast from pig iron of the following % contents: C 2.2-2.4 and alloyed Mo 1, Cr 0.6 and Ni 1. On rupture, $\sigma_{b(tension)} > 35 \text{ kg/mm}^2$ and $\sigma_{b(bending)}$ > 70 kg/mm². Utilization of metal when the blank is cast is close to 47%, while only 14% of the metal can be used in forging. Horizontal pouring is recommended in single-unit produc-

> tion, as inclined and vertical pouring require the construction of pouring fixtures, although they do increase the yield by 50%

relative to horizontal and reduce machining to a minimum. The optimum pouring temperature is 1360-1370°C. A thermit Card 1/2

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SOV/137-57-10-19268

Experiences in the Making of Cast-iron Crankshafts (cont.)

《大学》的《中华的人工会》,在《中华的人的人们的人们的人们的人们的人们的人们的人们的人们的人们的人们的人们的人们们们们是一个人们们们们们们们们们们们们们们们们

mixture is poured over the risers. The blanks are heat-treated after roughing to relieve stress. Gamma-radiation is used to inspect for internal faults.

E.Sh.

Card 2/2

GORSHKOV, A.A., doktor tekhn. nauk, prof.; VOLOSHCHENKO, M.V., kand. tekhn. nauk. Priniral uchastiye TUDIN, Ye.I., inzh.; STEPIN, P.I., kand. tekhn. nauk, retsenzent

[Cast crankshafts] Litye kolenchatye valy. Moskva, Izd-vo "Mashinostroenie," 1964. 194 p. (MIRA 17:5)

HLINOV, P.T.; FIRAGO, V.P., kand.tekhn.nsuk, red.; OGLOBLIN, A.B., dotsent; IUDIN, Io.M., inzh.; BILINSKIY, M.Is., red.; FISKAREVA, N.N., tekhn.red.

[Technology of machining sirplene engine parts] Tekhnologiio mekhanicheskoi obrabotki datalei aviatsionnykh dvigatelei. Pod red. V.P.Firago. Moskva, Gos.izd-vo obor.promyshl., 1951. 531 p. (MIRA 13:10)

1. Leningradskiy Politekhnicheskiy institut im. M.I.Kalinina (for Ogloblin). (Metal cutting) (Airplenes--Engines)

PHASE I BOOK EXPLOITATION

167

Yudin, Yefrem Markovich

Shesterennyye nasosy; osnovnyye parametry 1 ikh raschet (Gear-wheel Pumps; Basic Parameters and Their Design) Moscow, Gosud. 1zd-vo oboronnoy promyshlennosti, 1957. 139 p. Number of copies not given.

Rosenblit, S. Ya., Engr.; Ed. of Publishing House: Ed.: Sokolov, A. I., Engr.; Tech. Ed.: Lebedeva, L. A.; Reviewer: Yasinskiy, S. Ya., Engr.

This book is for design engineers, engineers of scientific PURPOSE: research institutes of machine building, and engineering

and technical personnel working in the field of design,

manufacture and operation of gear-wheel pumps.

The author states that in preparing this book he has COVERAGE:

utilized service experience with pumps in aircraft industry where they are used in fuel supply and lubrication systems and for controlling retractable landing gears and variablepitch propellers. The following subjects are discussed: design of aircraft fuel supply pumps for high-altitude

performance; design and correction of gear tooth profiles

with the use of a method developed by the author and Card 1/6

CIA-RDP86-00513R001963110010-9"

APPROVED FOR RELEASE: 03/15/2001

Gear-wheel Pumps; Basic Parameters and Their Design (Cont.)

accepted by the Ministry of the Aircraft Industry; derivation of equations for determining pump theoretical capacity; design of pressure relieving grooves; analytical method for determining gear bearing loads and support reactions; methods and examples of pump design; and the design of special type spring-loaded floating sealing rings. The author claims that the use of such seals cuts down the leakage and increases the volumetric efficlency of a gear-wheel pump up to 95%, which approaches the efficiency of a piston pump. The book includes tables of experimental data on pumps, nomograms for selecting pumps, and charts showing viscosities of domestic oils and petroleum products. No bibliography is listed.

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APPROVED FOR RELEASE: 03/15/2001

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